

Outer Hebrides Community Energy Fund Case Study – spòrsnis Energy Efficiency

Background

Ness Sports and Recreation Association is in charge of running spòrsnis – a sports and leisure facility in Ness, Isle of Lewis. The building consists of a main hall, a gym, sauna, two-lane 10-pin bowling room, office spaces, seminar and meeting rooms and a soft play area. The building was designed to be energy efficient and to make the best use of renewable energy resources, and has solar PV and solar thermal panels, two 6kW wind turbines and a ground source heat pump on site.



Details of Work Carried Out

The building has proved to be less energy efficient than was hoped, and the group applied to OHCEF for funding for an energy audit of the building and testing of the ground source heat pump. The energy audit recommended measures which could be taken to improve the energy efficiency of the building. The heat pump testing showed that there was a leak in the underground pipework, and also highlighted some other issues with the heating system which have now been rectified. The group applied again to OHCEF for a second phase of work, involving lowering the ceilings in a number of the smaller rooms. The lowered ceilings were also insulated in order to keep as much heat as possible in the room.

Cost and Funding

Work	Total Project Cost	OHCEF Amount
Energy Audit and GSHP Testing	£3,036.00	£2,884.20
Lowering Ceilings	£14,905.64	£10,433.95

Results and Local Impact

The work has given the group a better idea of the work that would be required for the heat pump to be operational, as well as leaving them with a facility which is more comfortable for its users. The lowered ceilings mean that it is easier to heat the rooms, and people have already been commenting on how much warmer the rooms feel.

Comments and Lessons Learned

The Energy Audit was a very useful exercise in identifying the problems and then the best options to make the building more efficient. Now that the rooms are much easier to heat and more comfortable and pleasant, they are suitable for all ages and a wider range of activities.

Contact Details

NSRA:

Carola Bell
36 South Dell
Ness
Isle of Lewis
HS2 OSP

T: 01851 810525

E: carola@southdell.co.uk

Community Energy Scotland:

Kirsten Macdonald
Community Energy Scotland
James Square
9 James Street
Stornoway
HS1 2QN

T: 01851 707332

E: Kirsten.Macdonald@communityenergyscotland.org.uk